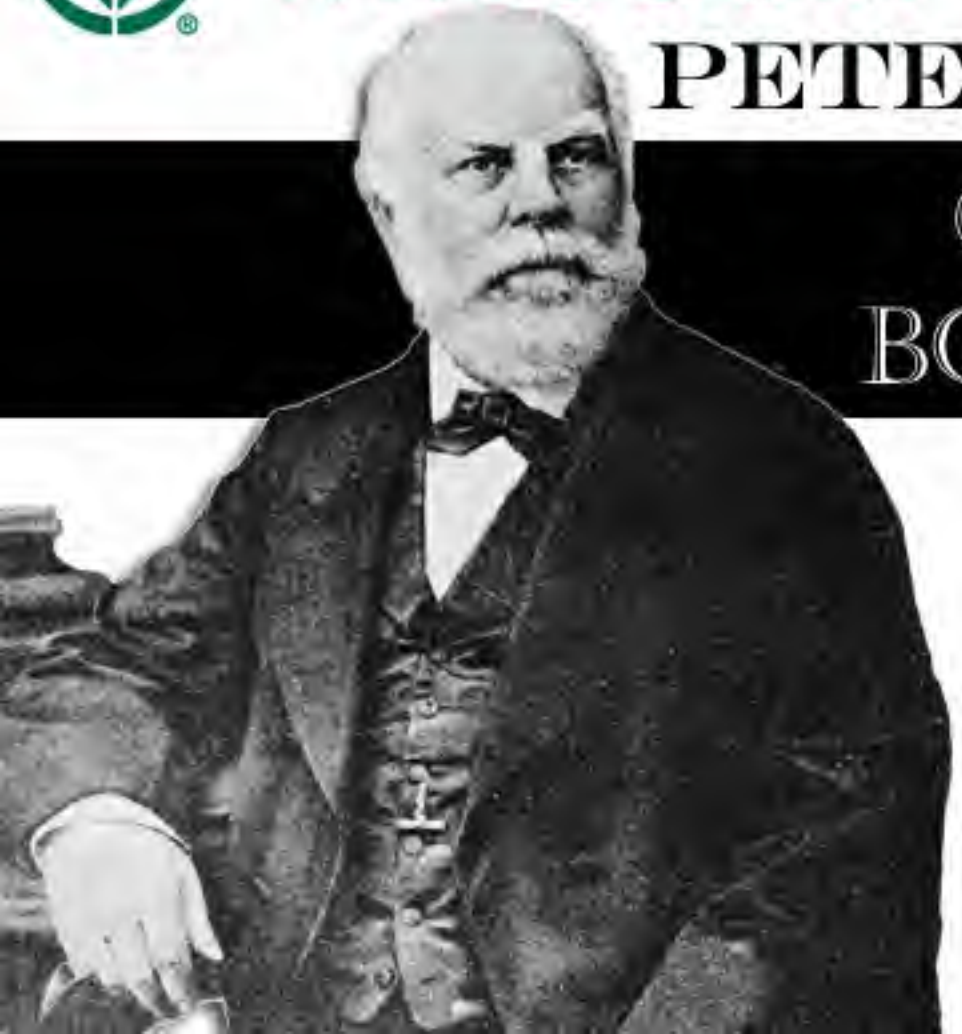
# Missouri Botanical Garden
## Peter H. Raven Library

# George Engelmann Botanical Notebooks



*Pagination Note:*
*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*

Jan 1874

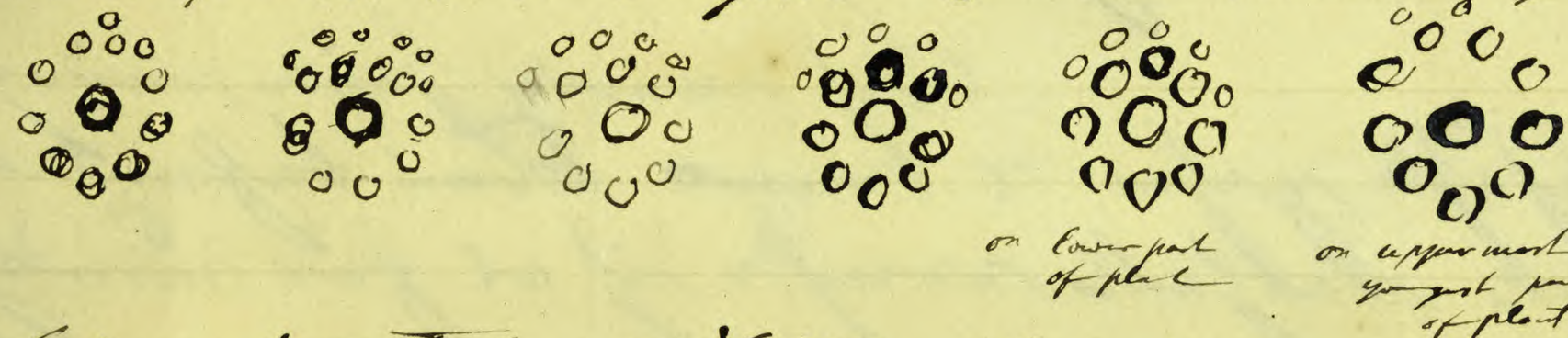
Cereus peckii Aboriginum Engelm ined.

seed collected in Sonora by Dr E Palmer 1869

sown 1870 — plant therefore now 4 years old

erect simple 5 inches high 1 inch diameter Died

Ribs after the 1st or 2d year 8 and remaining 10



on lower part of plant — on upper most younger part of plant.

Spines 1 central, redbrown when young, 8–10 exterior ones lateral and lower ones longer; spines irregular upwards, and of a number of additional, so as to make the whole number sometimes 14–16. Spines thin, acicular, longest ones 7–8 lines long

1779

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From Doctor Engelmann

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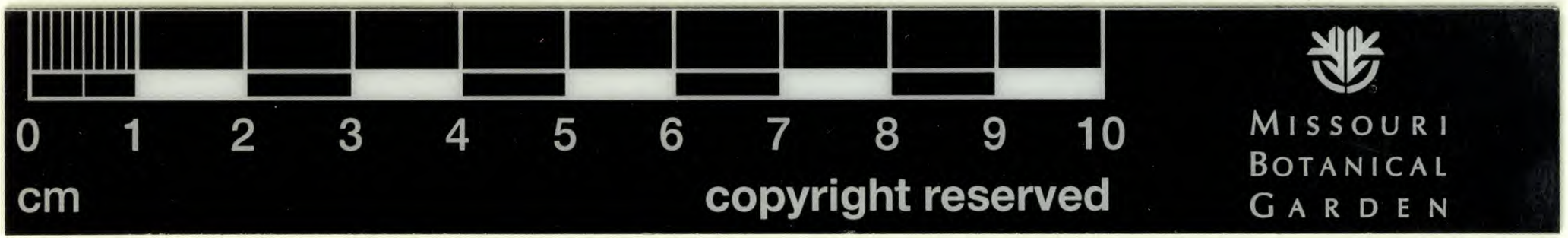
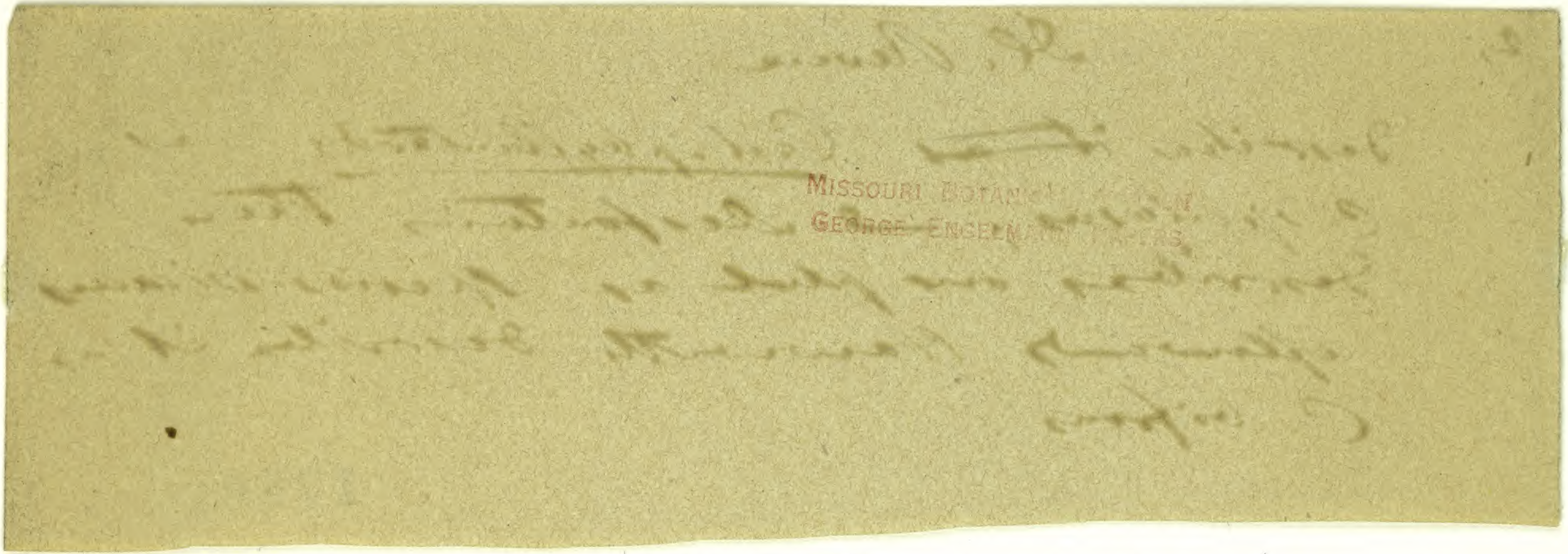
2,

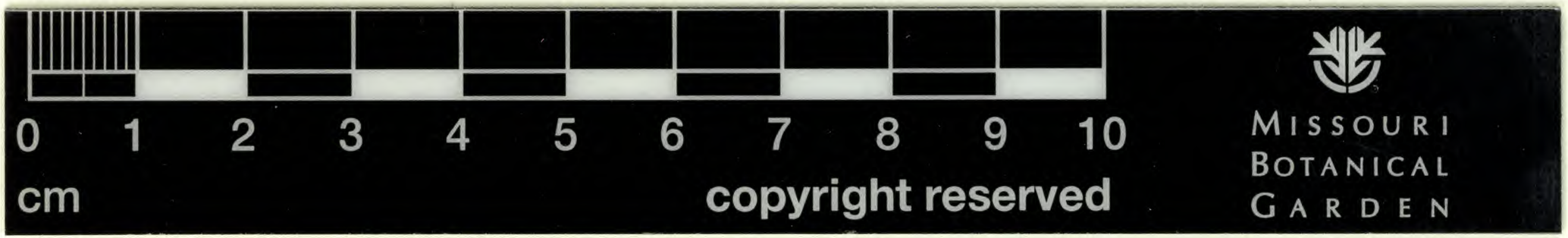
DC. Nova

describes ~~Tuc~~ Cact. phyllanthoides as
C. speciosus; — I described this
describing our plant as speciosissimus
afterwards discovered, describes it as
C. bifrons.

1780




MISSOURI BOTANICAL
GEORGE ENGELMANN HERBARIUM



Hb. Mus Palatin. Vindobon. Del. 1869

2816 Cereus pandulatus Lam. (Descr. in Dans. Poepp.)
erectus 15–25 pedalis, C. peruvianus similis. 1781
Flor Amazon. in pascuis et campis oppidi Ega
vernaculo olim Cadus. Nov. 1831 E. Poepp.

flowers pure white tomentose areola
(like urbes edulis etc etc) 9–10 inches long – specimen
very poor – no roots or ovary visible; very few

transverse aspidate ones on long gradually widely
tube – ovary after flowering articulated as
in all tubulose species

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1782

Day flowering (in Garden)
(Day and night?)
no! Night flowering! ipse vidi!
July 29 8 p.m
Fruit confirm.
July 22 1868

Cereus viscus, Host Cat Vienn.
several plants in flower, 3½ – 6 feet high –

flowers from a woolly areola from 1 to 3 inches from the Vertex, often several, 3–6 or more on same plant, successively, not at same time as in many Cactae.

Flower 8 ~~cm~~ long. about 5 wide.
tube very thick and fleshy green
ovary 12 mm by 17 mm in diam. bearing 3–5 extremely small subulate sepals easily overlooked
tube then for about 25 mm (37 for base of flower)
entirely naked, thereupon a few thick, fleshy short
(obscurely ridged and marking the upper part of
tube with grooves) sepals, lower obtuse upper
gradually a little larger, (but free part very short)
in all say 21 — Inner sepals 5 or 6,

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green oblong, obtuse, (2nd leaf) petals greenish white, similar
a little narrower and innermost ones narrower
and shorter, only about 8 so that there are
about 13 inner sepals and petals together.
(b) see notes of July 28th

Ovarian cavity short, transverse, funnel-
much branched or rather connate.

Nectarin cavity 15 mm long, cylindrical, somewhat
arched over by contraction of tube.

Stamens very numerous filling the gradually
widening tube for 3/2 cent; lowest stamens
much longer (3 cent) than upper and outer
ones (only 1-1/4 cent.)

Style as long as ~~longest~~ sepals & petals,
exceeding stamens; green, inner, widened at base
so as to fill whole surface of ovary or base of
tube. Stigma obs 8, apparently about
5 or 6 mm long at last forming a compact convolute
head after withering.

Petals & upper sepals curved inward in
withering, so that they form a central depression
from which the style emerges.

Whole flower is that of an entirely glabrous
P. loccerens! flowers subvertical
Walls of tube at ovarian cavity 4-5 mm above it 6-7 mm
thick — tube constricted above ovarian cavity —
Petals short, with sepals insolute after flowering —
whole tube inside beset with stamens.

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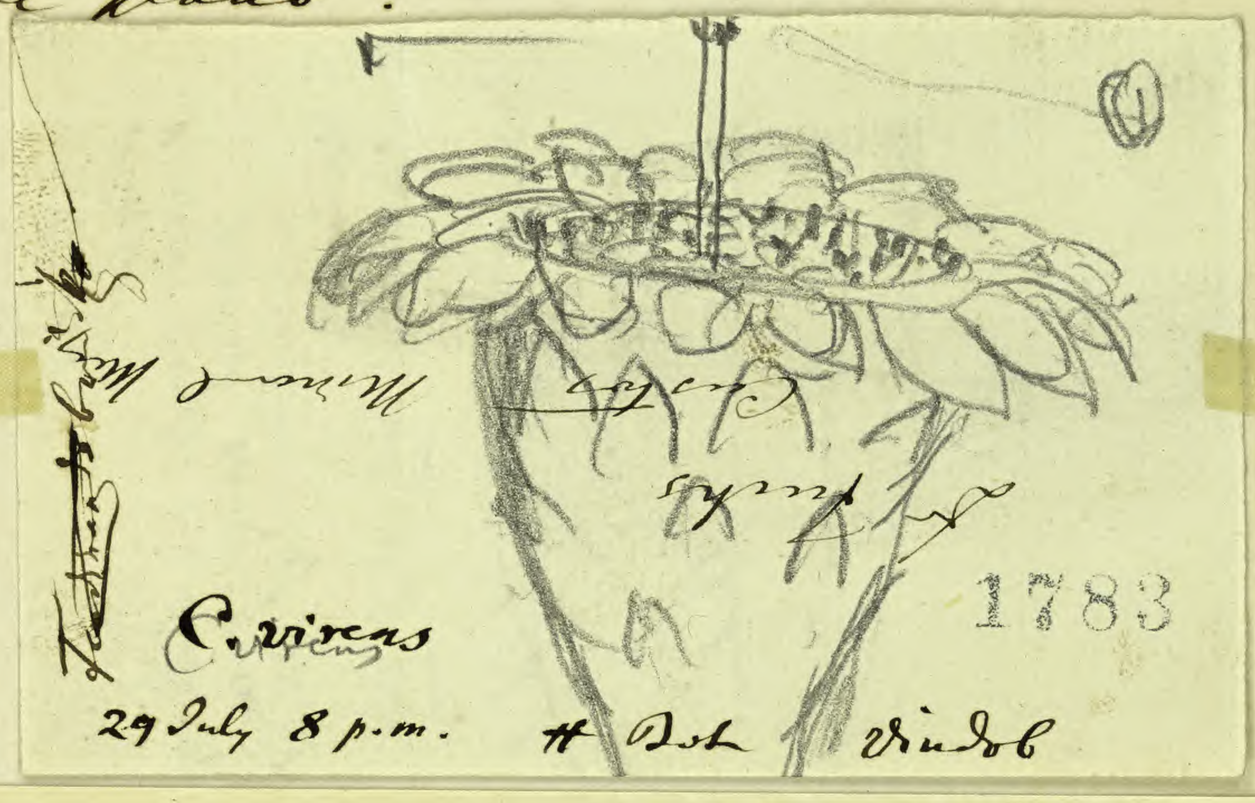
July 29 8. p. m. — full flower! 1784

petals 16–17 albid. petula paulo roseo-
tinctis pure clavis.



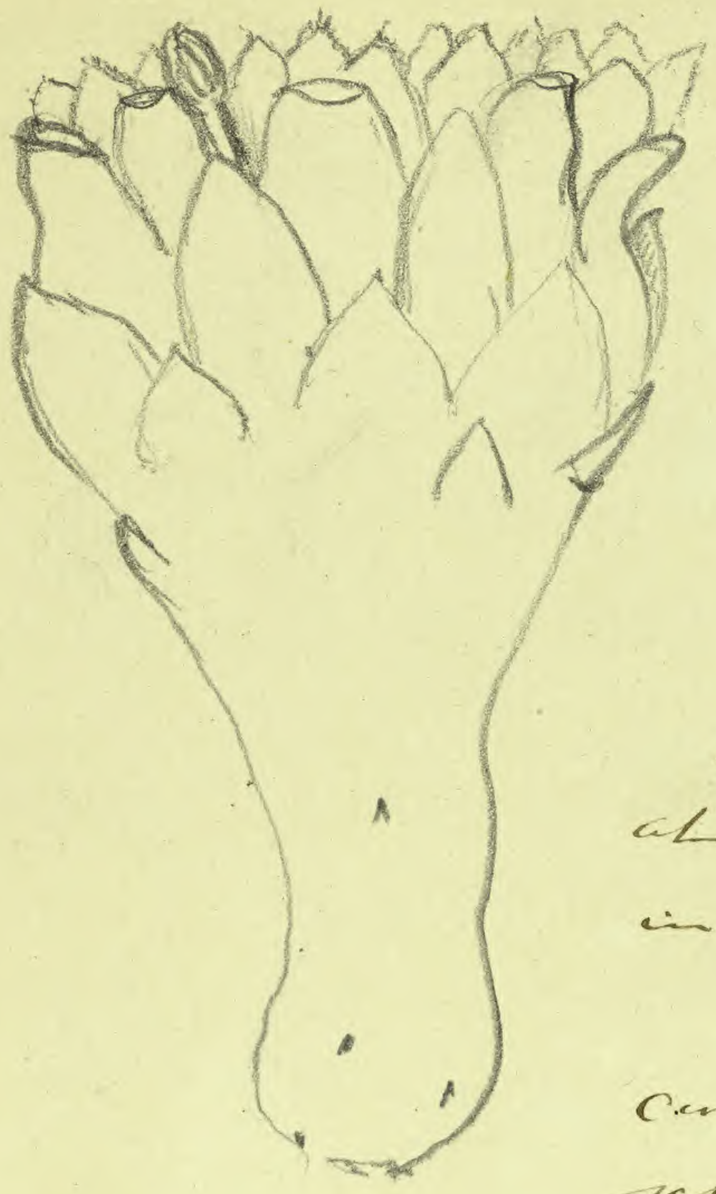
Cereus virens

29 July 8 p.m. # Bot Vindob

1783

# Bot Vindob July 28 1869

1785



Cereus virens

did widely flower last night, : unclosing
10. a. m.

5 briskly minute immersed scales on ovary
abt 2 on tube

20–25 inner sepals

abt 18 greenish white petals, broad-lanceolate acute, fringed-dentate.

style longer than sepals & petals, exsert

flower nearly to the Gardner, was open
at 6½ a m — and was found closed early
in afternoon; is it night flowering?

The sepals were erect, partly yet
curved outwardly, while part of the inner
sepals and the petals were already fairly
curved inward.

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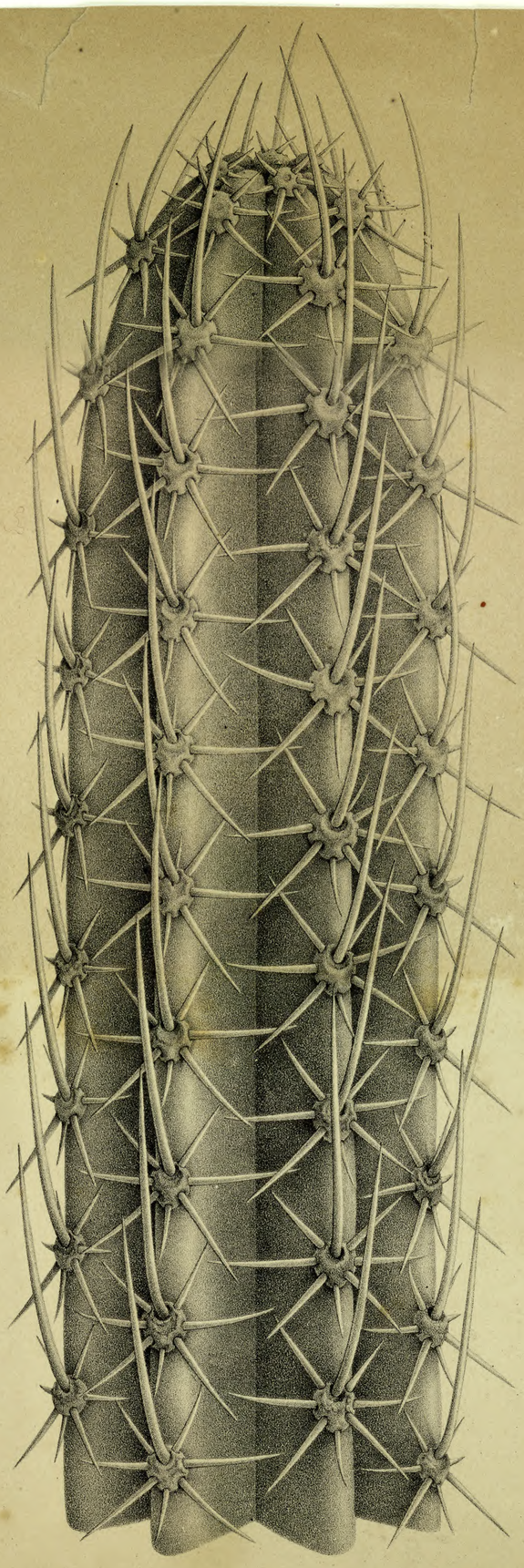
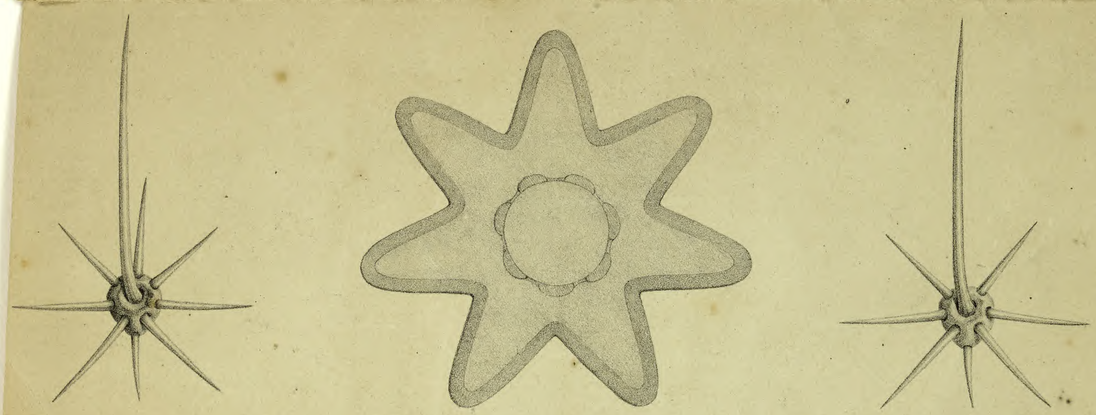
1786





Cereus resupinatus Salm

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Cambridge Aug 17 1882

allied to repanda

Cereus
flo 8 inches long
ovary globose, short & thick much thicker than the tube, covered with very prominent tubercles, 50 or 60 in number in 13/21 orders each of which bears a fleshy green recurved sepal lanceolate 3–6 lines long, with woolly hair in the axils

tube narrow below (2 or 5 lines), gradually widening to 9 lines ribbed & channelled and bearing on the ribs green lanceolate appressed sepals, 6–9 lines in length, about 50 in number.

Inner sepals linear lanceolate, long acuminate, 20–25 in number

Petals much broader 2¼–2½ in long 6–7 lines broad lanceolate abruptly acuminate with jagged (ornate?) edges – 10–12 in number

ovary 9 lines long

Tube inside with nectarian cavity ½ inches long, continuous & clasping 1¼ or 1½ inches; then naked space to the corona of stamens ½ inches long

Style white stigma short 8, about 3 lines long

Plant erect column simple, about 1½ in. diam. 8 ribbed; ribs rounded 12–15 areolae spines 3–6 or 7 lines long.

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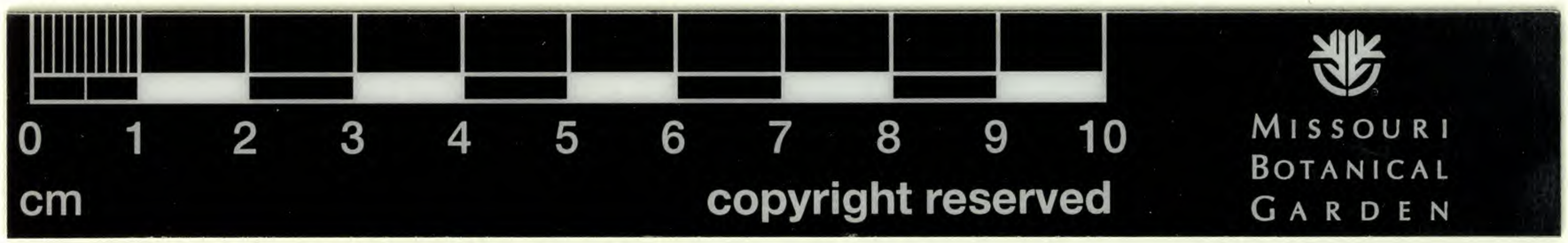
Mont Ost Cambridge Aug 27 1882

Cereus leaning (not erect) about 3-4 feet high

1 ½ inches diameter, 8. ribbed, ribs rounded, repand, grooves slight not deep
but sharp;; areolae elevated, circular, over 1 inch apart

Spines about 10, lowest shortest 3-6 l. long, upper longer 6-9 l. long, upper-
most 12 l. central reflexed, 15 l. long, all ashgray when old, bright
red brown when young; sometimes new ones forming on the upper part of old areolae
as in C. pentagonus. Flowers white, nocturnal 6½ in. long. Ovary globose, with 25-30
very prominent tubercles, bearing white tomentose spiny areolae. Spines ab 12-3 l.
long, red brown, stout; sepals of tube in 5/8 orders, red, fleshy, scalelike
below 3, above 6 lines long from triangular to lanceolate, acute, abt 35 in number
Ovary 9 lines through, nect. cavity 1/4 inch, staminate part of tube 1 inch long
naked space above to corona abt 1 inch, stamens of corona also
1 inch long; style pale greenish, thick; stigmas abt 12-15, slender

1787



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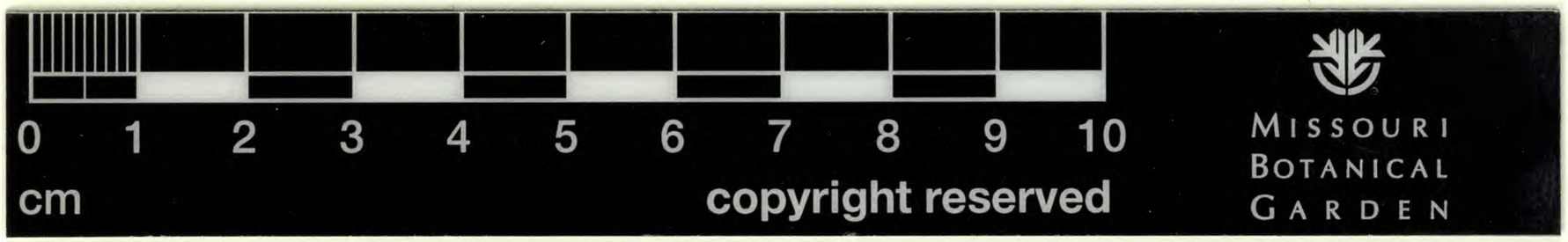
Hort Bot Cambridge Aug 18 1882

Cereus pentagonus (Lin) Haw. 1788

flower opens in Evening. white, tube with ovary 5 inches
inner sepals recurved spreading about 2 inches,
20-25 foliaceous scales or glabose ovary, imbricately (closely) covering
it, triangular lanceolate red brown, outer
about 20-25 longer, more scattered scales on tube 3/4-1 1/4 inches
long, rather laxly, ~~green~~ reddish green, about 30 inner sepals
much longer, narrower, recurved, 1/2 inch wide 3-4 long
(more linear) green with red — about 18 bright pure white petals
3 1/2-4 inches long upwards 1 1/2 inches wide, acutish.
ovary 3 lines diam 8 lines high, nectarian cavity only 3
lines deep; staminate part of tube 2 3/4 lines long
naked space about 16 lines long, stamens & ~~corolla~~
2 1/4 inches long
16 greenish linear stigmas, 8-9 lines long.

Stem about 3 feet high, reclining, below 5 angled, above 4 angled,
angles below obtuse, grooves obliterated, flat, even faces convex
in young parts of the plant grooves deep ash gray, 1/4-1/2
areoles 8-10 lines apart
spines about 8 radial ones 4-8 lines long and 1 to 3 stouter central ones
(brown bright reddish). — On old joints often young stout spiny
growths, stouter and longer than all others on the upper edge of areole 1-1 1/4
inch long



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C. pringsii Hr. Würzb. ex Pfeiff. En
p. 107.

Natur del. 1857 Grieve multis

(1860) This is what I took for C. Vanderbilti
and described as such and figured
the fruit in Bound. Cact p. 40 t. 60 f. 5-6
but it is probably C. pringsii
Boulgers Seeds from Tampico are identical

1883 Hibiscus sp. A = C. pentagonus

661-670

1789

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8 Griffel 34[8]. 26 Kelchblättern

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